

**RECORD OF MEETING
AMEC PROJECTS 1.5-1/1.5
10-12 June 2003
Murmansk, RUSSIA**

INTRODUCTION

Representatives of the Ministries of Defence (MOD) of Russia (RF), Norway (NOR), and the US Department of Defense (US) met in accordance with the AMEC Principals decisions on AMEC Projects 1.5 “Cooperation in Radiation Safety” and 1.5-1 “Radiation Control at Facilities – Application of the PICASSO System.” The list of participants is included in Attachment 1.

MEETING GOALS

- Visit FGUP 10 SRZ to review the status of the Norwegian/Russian purchased dosimeters and US dosimeter card readers and spare parts.
- Visit FGUP Atomflot and review the status of the installation of PICASSO.
- Review plans to install PICASSO at FGUP 10 SRZ (RF/US ONLY).

ACCOMPLISHED AND NEXT STEPS

- FGUP 10 SRZ
 - KID-08S Dosimeter System
 - ✓ Phase 1 of the contract between FFI and FGUP ICC Nuklid on the Russian produced KID-08S dosimeters is completed.
 - ✓ Phase 2, operational testing at the FGUP 10 SRZ was extended with 5 additional months and is now completed.
 - ✓ A site visit to view the performance of the KID-08S dosimeters at FGUP 10 SRZ was conducted on 10 June 2003. NOR and US Technical Experts did not get access to the “Radiation Safety Building” where the reader is situated. Demonstration of the KID-08S system was given to Russian Technical Experts. This demonstration was shown on video to NOR and US delegations. Under the circumstances, NOR and US Technical Experts accepted this video as evidence that the system is now operational.
 - ✓ The conclusion is that the dosimeters work satisfactorily and have been put into regular use at FGUP 10 SRZ. The final report of Phase II will be provided within 1 month, and it will include a copy of the video.
 - US DD-100 electronic dosimeters
 - ✓ BNL will issue a no cost contract to ICC Nuklid to facilitate the transfer of three card readers and spare parts to FGUP SRZ 10.
 - ✓ The RF delegation will provide a response on how to proceed with this process.

- PICASSO AT FGUP ATOMFLOT
- ✓ The Technical Experts visited the site and were pleased to see that the Picasso installation is well underway and on schedule.
- ✓ Five radiation detectors, cabling, raceways, smart controllers, computer servers and computers have been installed and checked for their functionality.
- ✓ ICC Nuklid and FGUP Atomflot have upgraded the radiation safety control room. This work was performed outside the scope of the installation contract.
- ✓ ICC Nuklid, IBRAE RAN and FGUP Atomflot staff were observed to be working together as a cooperative team. This is important for the transfer of this system to FGUP Atomflot following completion of trial operation.
- ✓ FFI and ICC Nuklid have signed an agreement for transfer of the PICASSO software user licence for use at FGUP Atomflot.
- ✓ IBRAE RAN is now training FGUP Atomflot staff in operation and maintenance procedures for Picasso.
- ✓ System installation should be completed, on schedule, by mid-September 2003. Six months trial operation will begin at that time. The detector unit for radioactive aerosols to be located at the tank farm building will not be installed before the work on the ventilation system has been completed. Installation of this detector will take place during the trial operation period.
- ✓ FGUP Atomflot and ICC Nuklid provided an update on the status of the LRW Treatment facility.
- ✓ *Before the next Project Officers meeting in September 2003, the RF delegation will provide a report to the NOR and US delegations on procedures on transferring radiation monitoring information to the executive authorities of the RF.*
- PICASSO AT FGUP 10 SRZ (RF/US ONLY)
- ✓ The US and RF have agreed to start the installation of Picasso at FGUP 10 SRZ. As a first step in this process, BNL will issue a contract to ICC Nuklid to develop the “Technical and Installation Design Documents.” This contract will be issued as soon as possible. The deliverables will be due 3 months after contract signing.

THE EXPERTS REPORT TO THE STEERING GROUP

- The Team discussed and agreed to recommend that the Steering Group consider hosting the promotional event in mid-September 2003. This needs to be coordinated with the 1.1-1 project.
- A paper on “Radiation Monitoring at FGUP Atomflot and FGUP 10 SRZ” was prepared, discussed trilaterally and will be presented by Dr. Endregard at the NBC 2003 Symposium on “Nuclear, Biological and Chemical Threats – A Crisis Management Challenge” in Finland.
- LCDR Jerry Sanders is the new US DOD project officer.
- NOR will not support the PICASSO installation at FGUP 10 SRZ until all activities connected with the established of PPP-RAO Phase I are complete.

NEXT MEETING

- A NOR Technical Expert will visit IBRAE-RAN in Moscow during the second week of July 2003 to audit all equipment and software that will be shipped to Murmansk. Other reviews may be held as needed.
- A Project Officers meeting will be held in Murmansk in September in conjunction with the Promotional Event and the commencement of the six month trial operation.

For Russian Ministry of Defence

For US Department of Defense

Capt 1st Rank Viktor Bursuk

LCDR Jerry Sanders

For Norwegian Ministry of Defence

Dr. Monica Endregard

**ATTACHMENT 1
LIST OF PARTICIPANTS**

Murmansk, 10-12 June, 2003

РОССИЙСКАЯ ФЕДЕРАЦИЯ	RUSSIAN FEDERATION
ВМФ РФ Виктор Бурсук	VMF RF Viktor Bursuk
Сервисинтертехника Александр Ермолаев	Serviseintertechnika Aleksandr Ermolaev
ФГУП «Атомфлот» Андрей Абрамов	FGUP Atomflot Andrey Abramov
МКЦ «Нуклид» Лев Михайлович Чернаенко	ICC Nuclide Lev Tchernenko
ИБРАЭ РАН Владимир Павлович Киселев Сергей Гаврилов	IBRAE RAN Vladimir Kisselev Sergey Gavrilov
10 СРЗ Вадим Кузьмин	Polyarninsky Shipyard Vadim Kuzmin
США	USA
МО США Капитан 2 ранга Джерри Сандерс	US. Department of Defense LCDR Jerry Sanders
Министерство энергетики США Эндрю Гриффит	US Department of Energy Andrew Griffith
Брукхевенская национальная лаборатория Пол Московитц	Brookhaven National Laboratory (BNL) Paul Moskowitz
Норвегия	NORWAY
Норвежский институт оборонных исследований Моника Эндрегард	Norwegian Defence Research Establishment (FFI) Monica Endregard
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